Internal assesment for Semiconductor Physics lab (page 1 of 2) - Brave

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Semi-conductor Physics (BBS01T1002)

Question **1**
Answer saved
Marked out of 1.00
Flag question

DIFFRACTION ARISES AS A RESULT OF? A. Superposition of primary wave fronts from coherent sourcesB. Superposition of primary wave fronts from incoherent sourcesC. Superposition of secondary wave fronts from the slitsD. Interference of light

Select one:
- a. A
- b. C
- c. B
- d. D

Clear my choice

Question **2**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO2:For glow the LED maximum potential is required for which color?

Select one:
- a. Blue
- b. Red
- c. Violet
- d. Green

Clear my choice

Question **3**
Answer saved
Marked out of 1.00
Flag question

A COMBINATION OF SOLAR PANELS CONNECTED TOGETHER IS KNOWN AS _____A. Solar cellsB. Solar arrayC. ArrayD. None of the above

Select one:
- a. D
- b. A
- c. C
- d. B

Quiz navigation

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10 11 12 13 14 15 16 17 18
19 20

Finish attempt ...

Time left **0:02:50**

32°C Haze

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Question **4**
Answer saved
Marked out of 1.00
Flag question

Grating element is equal toA. nλ/sinθB. nλC. sinθD. cosθ

Select one:
- a. A
- b. B
- c. D
- d. C

Clear my choice

Question **5**
Answer saved
Marked out of 1.00
Flag question

The condition for minimum intensity is ---.

Select one:
- a. n λ
- b. (2n+1)λ/2

Clear my choice

Question **6**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002: The diffraction grating used in He-Ne laser experiment has how many lines?

Select one:
- a. 15000 lines per inch
- b. 15000 lines per mm
- c. 300 lines per mm
- d. 300 lines per inch

Clear my choice

Question **7**
Answer saved
Marked out of 1.00

BBS01T1002: In the condition of population inversion?

Select one:

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Question 7
Answer saved
Marked out of 1.00
Flag question

BBS01T1002: In the condition of population inversion?

Select one:

- a. No. of atoms in higher state is less than lower level
- b. No. of atoms in higher state is equal to lower level
- c. None
- d. No. of atoms in higher state is more than lower level

Clear my choice

Question 8
Answer saved
Marked out of 1.00
Flag question

THE SOLAR CONSTANT ALSO CALLED AS _____A. Solar intensityB. Solar irradianceC. Both a and bD. None of the above

Select one:

- a. C
- b. B
- c. D
- d. A

Clear my choice

Question 9
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO2:Equation for calculation of Plancks constant?

Select one:

- a. e x slope/c
- b. slope x e/c
- c. None
- d. e x slope x c

Clear my choice

Question 10
Answer saved

BBS01T1002_CO2:In LEDs above the threshold value, the current increases with voltage?

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Flag question

b. B
c. D
d. A

Clear my choice

Question **9**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO2:Equation for calculation of Plancks constant?

Select one:
a. e x slope/c
b. slope x e/c
c. None
d. e x slope x c

Clear my choice

Question **10**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO2:In LEDs above the threshold value, the current increases with voltage?

Select one:
a. exponentially
b. constant
c. None
d. Linearly

Clear my choice

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Semi-conductor Physics (BBS01T1002)

Question **11**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO5:The amount of minority diffusion in the near-neutral zones determines the amount of current that may flow through the diode?

Select one:
- a. FALSE
- b. TRUE

Clear my choice

Question **12**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002: The active medium in He-Ne laser is?

Select one:
- a. Solid
- b. Gas
- c. Liquid
- d. None

Clear my choice

Question **13**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO2:Voltmeter is connected in with respect to LED?

Select one:
- a. None
- b. Parallel
- c. Linear
- d. Series

Clear my choice

Question **14**

BBS01T1002_CO1:In the principle of resonance?

Quiz navigation

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Finish attempt ...

Time left **0:02:37**

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d. Series

Clear my choice

Question 14
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO1:In the principle of resonance?

Select one:
- a. Both of above
- b. None
- c. The applied frequency is equal to the natural frequency of a vibrating body
- d. The applied frequency is not equal to the natural frequency of a vibrating body

Clear my choice

Question 15
Answer saved
Marked out of 1.00
Flag question

1. Which of the following is a unique property of laser?a) Directionalb) Speedc) Coherenced) Wavelength

Select one:
- a. b
- b. d
- c. a
- d. c

Clear my choice

Question 16
Answer saved
Marked out of 1.00
Flag question

WHICH CELL IS USED TO CONVERTS SOLAR ENERGY DIRECTLY INTO ELECTRICAL ENERGY _____A. Dry cellB. Photoelectric cellC. BatteryD. None of the above

Select one:
- a. B
- b. C
- c. D
- d. A

Clear my choice

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Question **17**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO1:The aim of Sonometer Experiment in Physics lab?

Select one:
- a. To find the frequency of wire
- b. Both of above
- c. To find the frequency of ac mains
- d. None

Clear my choice

Question **18**
Answer saved
Marked out of 1.00
Flag question

How many junction/s do a diode consist?a) 0b) 1c) 2d) 3

Select one:
- a. b
- b. a
- c. d
- d. c

Clear my choice

Question **19**
Answer saved
Marked out of 1.00
Flag question

The cut in voltage (or knee voltage) of a silicon diode is a) 0.2V b) 0.6V c) 0.8 V d) I.0V

Select one:
- a. c
- b. d
- c. a
- d. b

Clear my choice

Question **20**
Answer saved

BBS01T1002_CO1:The frequency of wire?

Select one:

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Flag question

b. a
c. d
d. c

Clear my choice

Question **19**
Answer saved
Marked out of 1.00
Flag question

The cut in voltage (or knee voltage) of a silicon diode is a) 0.2V b) 0.6V c) 0.8 V d) I.0V

Select one:
a. c
b. d
c. a
d. b

Clear my choice

Question **20**
Answer saved
Marked out of 1.00
Flag question

BBS01T1002_CO1:The frequency of wire?

Select one:
a. 100
b. 50
c. 0
d. 110

Clear my choice

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Finish attempt ...